

WATER QUALITY ASSESSMENT OF CAM SON LAKE IN LUC NGAN DISTRICT OF BAC GIANG PROVINCE

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Summary

This study was carried out around Cam Son lake area in Luc Ngan district of Bac Giang province in 2018. 12 samples of surface water were collected from Cam Son Lake in the dry season (march) and the rainy season (august) to analysis water quality parameters. Results of water quality assessment have showed that water quality of Cam Son lake is now well-supplied for irrigation purposes but not for domestic water supply purposes. Beside that the water quality of Cam Son lake has no difference in space (between sampling locations) but there is a clear difference over time. Water quality in the rainy season is better than in the dry season. To use Cam Son lake water for domestic water supply, it is necessary to take solutions to protect and improve the water quality of the lake in the future.

Keywords: *Cam Son lake, Luc Ngan district, water quality, water source, water supply for dometic.*